Index of Claims

| App | lica | tion | COL   | ntrol | No   |
|-----|------|------|-------|-------|------|
| 744 | IIVa |      | , 001 | 11101 | 140. |

Applicant(s)/Patent under Reexamination

10/631,095

SCHUEPBACH, OLIVER

CHARLES
Art Unit

Examiner

Date

**Emmanuel Bayard** 

2611

Rejected Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   |                                |

Claim

Restricted

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
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| Cla      |                                                         | Date     |                    |                                                  |                                                  |                                     |              |          |              |                |
|----------|---------------------------------------------------------|----------|--------------------|--------------------------------------------------|--------------------------------------------------|-------------------------------------|--------------|----------|--------------|----------------|
| Claim    |                                                         | <u> </u> |                    |                                                  |                                                  | Jak                                 | -            |          |              | $\dashv$       |
| Final    | Original                                                | 12/21/07 |                    |                                                  |                                                  |                                     |              |          |              |                |
|          | 1                                                       | =        |                    |                                                  |                                                  |                                     |              |          |              |                |
|          | 2                                                       | ·=       |                    |                                                  |                                                  |                                     |              |          |              |                |
|          | 3                                                       | =        |                    |                                                  | _                                                |                                     |              |          |              |                |
|          | 4                                                       | =        |                    |                                                  | Т                                                | _                                   |              | _        | _            |                |
|          | 5                                                       | =        |                    |                                                  | _                                                |                                     | _            |          |              |                |
|          | 6                                                       | ゠        |                    |                                                  | $\vdash$                                         | $\vdash$                            | -            |          |              |                |
|          | 7                                                       | =        |                    |                                                  | _                                                | Г                                   |              | _        |              |                |
|          | 1<br>2<br>3<br>4<br>5<br>6<br>7                         | =        |                    | _                                                |                                                  |                                     |              |          |              |                |
|          | 9                                                       | =        |                    |                                                  |                                                  |                                     |              |          |              |                |
|          | 10                                                      | =        |                    |                                                  |                                                  |                                     |              |          |              |                |
|          | 9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 |          |                    |                                                  |                                                  |                                     |              |          |              |                |
|          | 12                                                      |          |                    |                                                  |                                                  | $oxed{\Box}$                        |              |          |              | Ш              |
|          | 13                                                      |          | $oxedsymbol{oxed}$ | LJ                                               |                                                  | _                                   | _            | _        |              |                |
|          | 14                                                      |          |                    |                                                  |                                                  |                                     | <u> </u>     | $\Box$   |              | Ш              |
|          | 15                                                      |          | Ш                  | Ш                                                |                                                  | <u> </u>                            | <u> </u>     | <u> </u> |              | Ш              |
|          | 16                                                      |          |                    | _                                                | _                                                |                                     | _            | L.       |              | $\Box$         |
|          | 17                                                      | _        |                    | _                                                |                                                  | <u> </u>                            |              | _        |              | Ц              |
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|          | 19                                                      | _        |                    |                                                  | <u> </u>                                         | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |              |          |              |                |
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| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | _        |          | _            | _            |              | _            | _            |              | _        |              | _                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|--------------|--------------|--------------|--------------|--------------|--------------|----------|--------------|--------------------------------------------------|
| 52         53         54         55         56         57         58         59         60         61         62         63         64         65         66         67         68         69         70         71         72         73         74         75         76         77         78         79         80         81         82         83         84         85         86         87         88         89         90         91         92         93         94         95         96         97         98         99 | Final    | Original |              |              |              |              |              |              |          |              |                                                  |
| 52         53         54         55         56         57         58         59         60         61         62         63         64         65         66         67         68         69         70         71         72         73         74         75         76         77         78         79         80         81         82         83         84         85         86         87         88         89         90         91         92         93         94         95         96         97         98         99 |          | 51       | ┢            | $\vdash$     | ┢            |              | -            | $\vdash$     |          |              | -                                                |
| 54         55         56         57         58         59         60         61         62         63         64         65         66         67         68         69         70         71         72         73         74         75         76         77         78         79         80         81         82         83         84         85         86         87         88         89         90         91         92         93         94         95         96         97         98         99                       |          | 52       | 一            | $\vdash$     | -            | $\vdash$     | $\vdash$     | -            |          |              |                                                  |
| 54         55         56         57         58         59         60         61         62         63         64         65         66         67         68         69         70         71         72         73         74         75         76         77         78         79         80         81         82         83         84         85         86         87         88         89         90         91         92         93         94         95         96         97         98         99                       |          | 53       |              |              | $\vdash$     | -            | $\vdash$     | -            | -        |              |                                                  |
| 57<br>58<br>59<br>60<br>61<br>62<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                          | _        | 54       | $\vdash$     | $\vdash$     | $\vdash$     |              | $\vdash$     | -            | -        |              |                                                  |
| 57<br>58<br>59<br>60<br>61<br>62<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                          | -        | 55       | $\vdash$     | $\vdash$     | _            | _            | $\vdash$     | -            | $\vdash$ |              | $\vdash$                                         |
| 57<br>58<br>59<br>60<br>61<br>62<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                          | -        | 56       |              | $\vdash$     | $\vdash$     |              | ┢            | _            |          |              | $\vdash$                                         |
| 58         59         60         61         62         63         64         65         66         67         68         69         70         71         72         73         74         75         76         77         78         79         80         81         82         83         84         85         86         87         88         89         90         91         92         93         94         95         96         97         98         99                                                                   |          | 57       |              | $\vdash$     | $\vdash$     | -            | $\vdash$     | -            | -        | -            | $\vdash$                                         |
| 60<br>61<br>62<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                            | $\vdash$ | 58       | $\vdash$     | -            | _            |              | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$     | <del> </del>                                     |
| 60<br>61<br>62<br>63<br>64<br>65<br>66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                            | _        | 59       | -            | $\vdash$     | -            | $\vdash$     | ┢            | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$                                         |
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| 66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                                                                |          | 64       |              | $\vdash$     | -            | -            | -            | _            | $\vdash$ | $\vdash$     | $\vdash$                                         |
| 66<br>67<br>68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                                                                |          | 65       |              |              | ┢            | -            | -            | _            | ┢        | ┢            | ┢                                                |
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| 68<br>69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                                                                            | -        | 67       | ├            | -            | ⊢            | $\vdash$     | ┢            | -            | ⊢        |              | -                                                |
| 69 70 71 71 72 73 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 91 92 93 94 95 96 97 98 99                                                                                                                                                                                                                                                                                                                                                                                                                                   | -        | 68       | ┢            | -            | ├            | ┢            | ⊢            | -            | $\vdash$ | -            | -                                                |
| 80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98                                                                                                                                                                                                                                                                                                                                                                                                                    |          | 60       | ├            | ├            |              |              | ┝            |              | -        | ┢            | -                                                |
| 80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98                                                                                                                                                                                                                                                                                                                                                                                                                    | -        | 70       | -            | $\vdash$     | ⊢            | $\vdash$     | $\vdash$     |              | -        | ┝            | $\vdash$                                         |
| 80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98                                                                                                                                                                                                                                                                                                                                                                                                                    | -        | 70       | -            |              | ⊢            | $\vdash$     | $\vdash$     |              | -        | ⊢            | ⊢                                                |
| 80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98                                                                                                                                                                                                                                                                                                                                                                                                                    | -        | 172      | -            | _            | -            | _            | -            | _            | -        | ⊢            | $\vdash$                                         |
| 80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98                                                                                                                                                                                                                                                                                                                                                                                                                    | -        | 72       | ⊢            |              |              | -            | H            |              | ┝        | ⊢            | ├                                                |
| 80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98                                                                                                                                                                                                                                                                                                                                                                                                                    | $\vdash$ | 74       | ├            |              | -            | ┝            | ┝            | _            | _        | <del> </del> |                                                  |
| 80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98                                                                                                                                                                                                                                                                                                                                                                                                                    |          | 75       | $\vdash$     | $\vdash$     | ⊢            |              | -            |              |          | ⊢            | -                                                |
| 80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98                                                                                                                                                                                                                                                                                                                                                                                                                    | -        | 170      | ⊢            | <u> </u>     | ├            | -            | -            | H            |          | ⊢            | $\vdash$                                         |
| 80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98                                                                                                                                                                                                                                                                                                                                                                                                                    | <u> </u> | 70       | ⊢            |              | -            | ⊢            | -            | $\vdash$     | _        | -            |                                                  |
| 80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98                                                                                                                                                                                                                                                                                                                                                                                                                    | -        | 70       | ├            | _            | -            | ├—           | <del> </del> | -            |          | ┢            | ⊢                                                |
| 80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98                                                                                                                                                                                                                                                                                                                                                                                                                    | <u> </u> | 70       | ⊢            | ⊢            | ⊢            | ├            | ⊢            | -            |          | ┢            | ⊢                                                |
| 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98                                                                                                                                                                                                                                                                                                                                                                                                                                | <u> </u> | 1/9      | -            | ⊢            | ⊢            | ⊢            | -            | -            | -        | ├            | <del> </del>                                     |
| 82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98                                                                                                                                                                                                                                                                                                                                                                                                                                | _        | 80       | ┢            | ⊢            | -            | <del> </del> | -            | <del> </del> | _        | ⊢            | -                                                |
| 83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>93<br>94<br>95<br>96<br>97<br>98                                                                                                                                                                                                                                                                                                                                                                                                                                      | <u> </u> | 81       | ⊢            | ⊢            | ⊢            | ⊢            | -            | <u> </u>     | _        | _            | ⊢                                                |
| 84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                                                                                                                                                                      |          | 82       | ┝            | -            | ┝            | ⊢            | -            | ⊢            |          | ┝            |                                                  |
| 85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                                                                                                                                                                            |          | 03       | <u> </u>     |              | -            | ⊢            | -            | ⊢            | $\vdash$ | -            | -                                                |
| 86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          | 04       | ⊢            | -            | <del> </del> | -            | -            | H            |          | -            |                                                  |
| 88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          | 00       | ├            | -            | -            | -            | -            | -            | _        | ├            | ⊢                                                |
| 88<br>89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          | 80       | $\vdash$     | H            | ⊢            | ⊢            | <del> </del> | -            | $\vdash$ | H            | _                                                |
| 89<br>90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          | 07       |              | $\vdash$     | <del> </del> | -            | ├            | -            | -        | ├            | -                                                |
| 90<br>91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |          | 00       | ⊢            | -            | <del> </del> | ├            | ┝            | $\vdash$     | ⊢        | -            |                                                  |
| 91<br>92<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          | 09       | L            | H            | -            | ⊢            | ├            | -            | $\vdash$ | $\vdash$     | ⊢                                                |
| 92<br>93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -        | 90       | ├            | ⊢            | ⊢            | <del> </del> | <del> </del> | $\vdash$     | $\vdash$ | $\vdash$     | ⊢                                                |
| 93<br>94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | -        | ~~       | ⊢            | H            | -            |              | H            | H            |          | _            | -                                                |
| 94<br>95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <u> </u> | 92       | ┝            | ⊢            | $\vdash$     | ⊢            | -            |              | <u> </u> | -            | ├                                                |
| 95<br>96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |          | 93       | -            | $\vdash$     | $\vdash$     | -            |              | $\vdash$     |          | ├            | ⊢                                                |
| 96<br>97<br>98<br>99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |          | 94       | $\vdash$     | ⊢            |              | -            | <del> </del> | -            | $\vdash$ | ⊢            | -                                                |
| 97<br>98<br>99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | $\vdash$ | 95       | -            | <del> </del> | -            | ├-           | -            | -            | ⊢        | <del> </del> | ⊢                                                |
| 98 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <u> </u> |          | <u> </u>     | <del> </del> | -            | <u> </u>     | -            | <u> </u>     | <u> </u> | <del> </del> | -                                                |
| 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |          | <del> </del> | $\vdash$     | <u> </u>     | <u> </u>     | <del> </del> | <b> </b>     | <u> </u> | <u> </u>     | <u> </u>                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | -        |          | ⊢-           | <u> </u>     | <u> </u>     |              | ļ            | —            | <u> </u> | <u> </u>     | L-                                               |
| [ 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <u></u>  |          | $\vdash$     | <u> </u>     | <del> </del> | -            | <u> </u>     |              | ├        | <u> </u>     | <u> </u>                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          | 100      | <u> </u>     |              | <u>L</u>     | L.           | <u></u>      | <u> </u>     | L_       | <u></u>      | L                                                |

| Cla          | aim                                                                | Date     |                                                  |                |                                                  |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                 |
|--------------|--------------------------------------------------------------------|----------|--------------------------------------------------|----------------|--------------------------------------------------|----------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------|
|              |                                                                    |          |                                                  |                |                                                  |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                 |
| Final        | Original                                                           |          |                                                  |                |                                                  |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                 |
| ij.          | )rić                                                               |          |                                                  |                |                                                  |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                 |
|              |                                                                    |          |                                                  |                |                                                  |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                 |
|              | 101<br>102                                                         |          |                                                  | L              |                                                  |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                 |
|              | 102                                                                |          |                                                  |                | L                                                |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                | Ш               |
|              | 103                                                                |          |                                                  | <u> </u>       | L                                                |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _              |                 |
|              | 104                                                                |          |                                                  |                | L                                                |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                | Ш               |
|              | 103<br>104<br>105<br>106                                           |          |                                                  |                | _                                                | _                                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _              | Щ               |
|              | 106                                                                | _        | _                                                | _              | _                                                | _                                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                | Ц               |
|              | I 1M7                                                              | _        | _                                                | _              |                                                  |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | _              | $\dashv$        |
|              | 108<br>109<br>110<br>111                                           |          | _                                                | _              |                                                  |                                                    | $\vdash$     | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | _              | $\dashv$        |
| <u> </u>     | 109                                                                | -        | -                                                |                |                                                  |                                                    |              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                | H               |
|              | 110                                                                |          | -                                                | <u> </u>       |                                                  |                                                    | $\vdash$     | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | $\dashv$        |
| <u> </u>     | 111                                                                |          |                                                  |                | -                                                | -                                                  | $\vdash$     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                | $\vdash\vdash$  |
| <u> </u>     | 112                                                                |          |                                                  | -              | ⊢                                                | $\vdash$                                           | $\vdash$     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -              | Н               |
| <del> </del> | 112<br>113<br>114<br>115                                           | $\vdash$ | $\vdash$                                         | -              | $\vdash$                                         | -                                                  | H            | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$       | $\vdash$        |
|              | 114                                                                | -        | -                                                | ├              | -                                                | $\vdash$                                           | H            | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ┝              | $\dashv$        |
| <del></del>  | 110                                                                | $\vdash$ | $\vdash$                                         |                | -                                                | $\vdash$                                           | $\vdash$     | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | $\vdash \vdash$ |
| -            | 116<br>117<br>118                                                  | -        |                                                  | -              | -                                                | ┢                                                  | -            | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | ┝              | Н               |
| _            | 118                                                                | -        |                                                  | ├-             | ┢                                                | $\vdash$                                           | ├            | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | H              | Н               |
|              | 110                                                                | -        | ├—                                               | ┢              | $\vdash$                                         | $\vdash$                                           | ┝            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | -              | Н               |
| <u> </u>     | 120                                                                | _        | _                                                | -              | -                                                | ┢                                                  | $\vdash$     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$       |                 |
| <u> </u>     | 119<br>120<br>121<br>122                                           | $\vdash$ | $\vdash$                                         | ┢              | ┝                                                |                                                    | $\vdash$     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | $\vdash$       | Н               |
|              | 122                                                                |          |                                                  | -              | -                                                | -                                                  | $\vdash$     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | H              | $\vdash$        |
|              | 123                                                                | _        | -                                                | -              | <del>                                     </del> | $\vdash$                                           |              | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                | П               |
|              | 123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132 |          | <u> </u>                                         |                | $\vdash$                                         | $\vdash$                                           | -            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                | П               |
|              | 125                                                                |          | _                                                | ऻ              | $\vdash$                                         |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                 |
|              | 126                                                                |          | $\vdash$                                         | $\vdash$       |                                                  |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                 |
|              | 127                                                                |          | Т                                                | Γ              |                                                  | Γ                                                  |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                | П               |
|              | 128                                                                |          |                                                  |                |                                                  |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                 |
|              | 129                                                                |          |                                                  |                |                                                  |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                 |
|              | 130                                                                |          |                                                  |                |                                                  |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                 |
|              | 131                                                                |          |                                                  |                |                                                  |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                 |
|              | 132                                                                |          |                                                  |                |                                                  |                                                    |              | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | L              | Ш               |
|              | 133                                                                |          |                                                  |                | L                                                |                                                    |              | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}}}}$ | 乚              | Ц               |
|              | 134<br>135                                                         |          | _                                                | <u>L</u>       | <u> </u>                                         |                                                    |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <u>L</u>       | Щ               |
|              | 135                                                                |          | <u></u>                                          | _              | <u> </u>                                         |                                                    | <u> </u>     | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | Щ               |
| <u> </u>     | l 136                                                              | <u> </u> | <u> </u>                                         | <u> </u>       | <u> </u>                                         | <u> </u>                                           |              | _                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | _              | Щ               |
|              | 137<br>138                                                         | <u> </u> | <del> </del>                                     | <u> </u>       | <u> </u>                                         | <u> </u>                                           | <u> </u>     | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$       | $\vdash$        |
|              | 138                                                                |          | L_                                               | <u> </u>       | ⊢                                                | <del> </del>                                       | <b>—</b>     | <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <del>  -</del> | $\vdash \vdash$ |
| <u> </u>     | 139                                                                | _        | -                                                | ⊢              | ├-                                               | <u> </u>                                           | <u> </u>     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <del> </del>   | Н               |
| <u> </u>     | 140                                                                | <u> </u> | <del> </del>                                     | ├              | -                                                | -                                                  |              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\vdash$       | $\vdash\vdash$  |
|              | 141<br>142                                                         | ├-       | ⊢                                                | <del> </del> - | $\vdash$                                         | $\vdash$                                           | <del> </del> | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -              | $\vdash$        |
| <u> </u>     | 142                                                                | $\vdash$ | -                                                |                | $\vdash$                                         |                                                    | $\vdash$     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | $\vdash$       | $\vdash$        |
|              | 144                                                                | $\vdash$ | $\vdash$                                         | ├              | +                                                | $\vdash$                                           | -            | <del> </del>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ├              | $\vdash$        |
|              | 144                                                                | $\vdash$ | $\vdash$                                         | ╁              | ├                                                | $\vdash$                                           | -            | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | $\vdash$       | $\vdash$        |
| <u> </u>     | 146                                                                | $\vdash$ | -                                                | $\vdash$       | $\vdash$                                         | <del> </del>                                       | $\vdash$     | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -              | Н               |
|              | 147                                                                | $\vdash$ | $\vdash$                                         | ╁              | $\vdash$                                         | -                                                  | $\vdash$     | ╁╾                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | $\vdash$       | Н               |
|              | 148                                                                | $\vdash$ | $\vdash$                                         | ╁              | $\vdash$                                         | ╌                                                  | $\vdash$     | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <del> </del>   | H               |
|              | 149                                                                | -        | $\vdash$                                         | $\vdash$       | $\vdash$                                         | <del>  -                                    </del> |              | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | +              | Н               |
|              | 150                                                                | -        | <del>                                     </del> | $\vdash$       | $\vdash$                                         | <del> </del>                                       | $\vdash$     | $\vdash$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | -              | Н               |
| L            | 1 100                                                              | <u> </u> |                                                  |                | Ь_                                               |                                                    | <u> </u>     | і                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Ц              | لــــا          |